

Tom Givetz
Powder Mill Fish Hatchery (NH Fish&Game)
288 Merrymeeting Road
New Durham , NH 03855



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 135745

Client Identification: Powder Mill Fish Hatchery | Q3 2014

Date Received: 9/11/2014

Dear Mr. Givetz :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

< : "less than" followed by the reporting limit

> : "greater than" followed by the reporting limit

%R : % Recovery


Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,


Lorraine Olashaw, Lab Director

9.18.14
Date

3
of pages (excluding cover letter)

Client: Powder Mill Fish Hatchery (NH Fish&Game)

Client Designation: Powder Mill Fish Hatchery | Q3 2014

Temperature upon receipt (°C): 5.6

Received on ice or cold packs (Yes/No): Y

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date	Date	Sample	% Dry	Exceptions/Comments (other than thermal preservation)
		Received	Sampled	Matrix	Weight	
135745.01	Outfall 001	9/11/14	9/11/14	aqueous		Adheres to Sample Acceptance Policy
135745.02	Outfall 002	9/11/14	9/11/14	aqueous		Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

- 1) EPA 600/4-79-020, 1983
- 2) Standard Methods for Examination of Water and Wastewater, 20th Edition, 1998 and 22nd Edition, 2012
- 3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- 4) Hach Water Analysis Handbook, 2nd edition, 1992



LABORATORY REPORT

EAI ID#: 135745

Client: Powder Mill Fish Hatchery (NH Fish&Game)

Client Designation: Powder Mill Fish Hatchery | Q3 2014

Client Sample ID:	Outfall 001								
Lab Sample ID:	135745.01								
Matrix:	aqueous								
Date Sampled:	9/11/14								
Date Received:	9/11/14								
	Result	RL	Dilution Factor	Units	Date / Time Analyzed	Date Prepared	Method	Analyst	
Solids Suspended	3	2	1	mg/L	9/16/14 11:00	9/16/14	2540D-97	SCW	
Nitrate/Nitrite-N	< 0.5	0.5	1	mg/L	9/11/14 16:41	9/11/14	353.2	KD	
Ammonia-N	0.15	0.05	1	mg/L	9/15/14 10:18	9/15/14	TM NH3-001	SEL	
TKN	0.8	0.5	1	mg/L	9/15/14 12:34	9/15/14	4500N _{org} C/NH3D	SEL	
Total Nitrogen	0.8	0.5	1	mg/L	9/15/14 15:30	9/15/14	4500 _{org} C/NO3	SEL	
Total Phosphorus-P	0.05	0.01	1	mg/L	9/15/14 12:00	9/15/14	365.1	KD	
BOD	< 3	3	1	mg/L	9/11/14 16:23	9/11/14	5210B-01	SCW	

Client Sample ID:	Outfall 002								
Lab Sample ID:	135745.02								
Matrix:	aqueous								
Date Sampled:	9/11/14								
Date Received:	9/11/14								
	Result	RL	Dilution Factor	Units	Date / Time Analyzed	Date Prepared	Method	Analyst	
Solids Suspended	< 2	2	1	mg/L	9/16/14 11:00	9/16/14	2540D-97	SCW	
Nitrate/Nitrite-N	< 0.5	0.5	1	mg/L	9/11/14 16:42	9/11/14	353.2	KD	
Ammonia-N	0.39	0.05	1	mg/L	9/15/14 10:18	9/15/14	TM NH3-001	SEL	
TKN	1.1	0.5	1	mg/L	9/15/14 12:34	9/15/14	4500N _{org} C/NH3D	SEL	
Total Nitrogen	1.1	0.5	1	mg/L	9/15/14 15:30	9/15/14	4500 _{org} C/NO3	SEL	
Total Phosphorus-P	0.09	0.01	1	mg/L	9/15/14 12:01	9/15/14	365.1	KD	
BOD	3	3	1	mg/L	9/11/14 16:23	9/11/14	5210B-01	SCW	

Total Nitrogen is determined by the addition of Nitrate-N, Nitrite-N and TKN (TKN = Ammonia plus TON) concentrations.

CHAIN-OF-CUSTODY RECORD

135745

Date/Time
Composites need start
and stop dates/times

Matrix

Parameters and Sample Notes

of containers

Outfall 001

9/10/2014 To
9/11/2014aqueous
Grab or Comp

AqTo/TTSS/BOD/TPhos/TN/TKN/NO3NO2/NH3

4

☒ Sampler confirms ID and parameters are accurateCircle preservative/s: HCL HNO₃ (H₂SO₄) NaOH MEOH Na₂S₂O₈ ICEDissolved Sample Field Filtered ☐Outfall 040-
0029/10/2014 To
9/11/2014aqueous
Grab or Comp

AqTo/TTSS/BOD/TPhos/TN/TKN/NO3NO2/NH3

4

☒ Sampler confirms ID and parameters are accurateCircle preservative/s: HCL HNO₃ (H₂SO₄) NaOH MEOH Na₂S₂O₈ ICEDissolved Sample Field Filtered ☐

Please ensure this auto COC is accurate, adheres to permit or sampling requirements for this sampling event, and modify as necessary.

EAI Project ID 784

Project Name Powder Mill Fish Hatchery | Q3 2014

State NH

Client (Pro Mgr) Tom Givetz

Customer Powder Mill Fish Hatchery (NH)

Address 288 Merrymeeting Road

City New Durham NH 03855

Phone 859-2041 Fax

Email/Address: Jason.Smith@wildlife.nh.gov

Results Needed by: Preferred date ASAP

Reporting Options

☒ HC☒ EDD PDF☒ EDD email☒ PDF prelim, NO FAX☐ e-mail Login Confirmation☐ NO FAX☐ Partial FAX☐ PDF Invoice☐ EQUIS

PO# 02-07500

Quote#: 1011754

Temp 5.60 CIce Y ☒ N ☐Samples Collected by: Thomas Givetz

Relinquished by

Date/Time

Received by

Relinquished by

Date/Time

Received by

Eastern Analytical, Inc.

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